

## ***Interactive comment on “EPOCA/EUR-OCEANS data-mining compilation on the impacts of ocean acidification” by A.-M. Nisumaa et al.***

**A.-M. Nisumaa et al.**

nisumaa@obs-vlfr.fr

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Interactive comment on “EPOCA/EUR-OCEANS data-mining compilation on the impacts of ocean acidification” by A.-M. Nisumaa et al.

Anonymous Referee #2

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Referee #2 comment: “This is a very good and very needed publication which should significantly enhance the value of the historical but very fragmented work on ocean acidification and its biological / ecosystem implications. My only comment is that given the emerging importance (HO Portner) of understanding the biological / ecosystem effects of elevated CO<sub>2</sub> in the context of temperature (thermal optimal curve) and oxygen,

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would it not be really useful to make sure, where possible, that all three variables are included. In fact this could go further and the recommendations could suggest that this be a minimum number of essential biogeochemical variables for such observations. I recommend that this MS be published after the authors have addressed this issue at least recognizing its role.”

Reply:

Please find our response to the reviewers’ comments below. We thank the anonymous referee for his or her review and constructive comments, which helped us improve this manuscript.

Anonymous Referee #2 is making a very good and useful note about the need to add oxygen as one of the essential parameters that should be measured during ocean acidification studies. The authors have added this into one of the recommended variables that should always be measured.

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